AIR NAVIGATION PLAN EUROPEAN REGION

INDEX TO PARTS

PROVISIONAL EDITION

This constitutes part of the Provisional Twenty-Third Edition of the Air Navigation Plan Publication for the European Region.

It is subject to endorsement by the EUR/7 RAN Meeting (1985) and approval by Council.

Completion of that action will be notified in due course and this sheet may then be removed.

AIR NAVIGATION PLAN — EUROPEAN REGION

INDEX TO PARTS

INTRODUCTION

- 1. Preface
- 2. Procedure for the amendment of approved Regional Plans
- 3. Format, lay-out and presentation of the statement of Basic Operational Requirements, Planning Criteria and Methods of Application (RCM)
- 4. The management of the EUR Regional Plan on a continuous basis

Alphabetical index of States and Territories

PART I — ASSUMED OPERATING PARAMETERS (PRM)

Explanation of terms
Introduction to Part I — PRM

RCM on PRM

- 1. Aircraft categories and operating characteristics
- 2. Carriage and use of airborne equipment
- 3. Assumed navigation performance

PART II — GENERAL PLANNING ASPECTS (GEN)

Explanation of terms
Introduction to Part II — GEN

RCM on GEN

- 1. General
- 2. Air traffic demand
- 3. System capacity
- 4. Economic considerations
- 5. Environmental considerations
- 6. General operational considerations
- 7. Specific operational considerations
- 8. System monitoring and adjustment
- 9. National facilities and services
- 10. Compatibility of systems between States
- 11. Security aspects

PART III — AERODROME OPERATIONS (AOP)

Explanations of terms
Introduction to Part III — AOP

RCM on AOP

- 1. Designation of aerodromes
- 2. Physical characteristics, markings and visual aids of aerodromes (excluding those serving approach)
- 3. Runway surfaces
- 4. Operation and maintenance of aerodromes
- 5. Aids for take-off, approach and landing
- 6. Runway visual range
- 7. Wake turbulence
- 8. Procedures for departure, approach and landing
- 9. ATC capacity at aerodromes
- 10. Co-ordination with the Aeronautical Information Service

Attachment A— Measuring and reporting of runway state information

Attachment B — Special take-off procedures

Attachment C— Low power approach technique for noise abatement purposes

Attachment D— The calibration and operation of facility performance Category I ILS ground installations

AOP Requirements

TABLE AOP — Physical characteristics, aids and services at aerodromes

Explanation of the table Table of requirements

CHART AOP-1 — Index of aerodromes

CHART AOP-2 — Aids to final approach and landing

PART IV — ATS ROUTES AND ASSOCIATED NAVIGATION MEANS (ARN)

Explanation of terms
Introduction to Part IV — ARN

RCM on ARN

- 1. Establishment of ATS routes
- 2. Provision of navigation means General
- 3. VOR/DME
- 4. NDB
- 5. Navigation aids in TMAs
- 6. Other navigation means
- 7. Holding
- 8. Establishment and identification of significant points
- 9. Flight testing and maintenance of radio navigation aids
- 10. Co-ordination with the Aeronautical Information Service

Index to Parts (v)

- Attachment A Criteria for the deployment of VOR and DME
- Attachment B Illustration of RCM requirements for VOR spacing and designated operational range requirements

ARN Requirements

- TABLE ARN-1 Basic ATS route network in the lower and upper airspace
- TABLE ARN-2 Radio navigation aids associated with the basic ATS route network and terminal area procedures
- CHART ARN-1 Basic ATS route networks in the lower and upper airspace and radio navigation aids for en-route and/or terminal area purposes
- SUPPLEMENT 1-ARN List of ATS routes not forming part of the basic ATS route network of the EUR Region
- SUPPLEMENT 2-ARN List of five-letter name-codes allocated to States in the EUR Region and certain adjacent areas for the identification of significant points not marked by the site of a radio navigation aid

PART V — AIR TRAFFIC MANAGEMENT (ATM)

Explanation of terms
Introduction to Part V — ATM

RCM on ATM

- 1. Air traffic demand
- 2. ATC capacity
- 3. Airspace management
- 4. Civil/military co-ordination
- 5. Air traffic management
- 6. Co-ordination with the Aeronautical Information Service
- Attachment A— Explanation of terms used in the field of airspace and traffic management.
- Attachment B A method of estimating the capacity of air traffic control sectors from observations of control workload
- Attachment C Provisions related to helicopter operations over the high seas
- Attachment D— The air traffic flow management service
- Attachment E Strategic air traffic flow management activities
- Attachment F Provisional slot allocation procedure (SLAP) for the EUR Region

ATM Requirements

- CHART ATM-1 Initial operational infrastructure of the ATFM Service and direct ATFM speech capabilities required
- TABLE ATM Air traffic management table for the EUR Region To be issued as a separate document

PART VI — AIR TRAFFIC SERVICES (ATS)

Explanation of terms
Introduction to Part VI — ATS

RCM on ATS

- 1. Provision of ATS
- 2. Air-ground communications for ATS
- 3. Ground-ground communications for ATS
- 4. Co-ordination between ATS units
- 5. Cruising levels
- 6. Automatic Terminal Information Service (ATIS)
- 7. VHF VOLMET broadcasts
- 8. Provision of information on hazardous weather conditions
- 9. Runway Visual Range (RVR)
- 10. ATS procedures
- 11. Radar for ATS
- 12. Automation in ATS
- 13. Provisions regarding VFR operations
- 14. Provisions regarding helicopter operations
- 15. Co-ordination with the Aeronautical Information Service
- 16. Incident reporting and investigation
- Attachment A Basic elements for the determination of the need for ATS air-ground communication channels and their economic use
- Attachment B Table of uniform values of designated operational range and height of VHF airground communication channels for specific ATS functions
- Attachment C Considerations regarding the reduction of air-ground communications
- Attachment D Principles for the EUR VHF VOLMET Broadcast System
- Attachment E Considerations relevant to the provision of primary and secondary surveillance radar for ATS purposes
- Attachment F Principles and procedures for the distribution and use of SSR Codes in the EUR Region
- Attachment G Considerations relevant to the progressive sophistication of treatment of SSR derived data for ATS purposes
- Attachment H Criteria to be used when deciding to introduce automation in ATS
- Attachment I Considerations relevant to the use of automatic data processing equipment for ATS purposes
- Attachment J Considerations relevant to enhanced computer assisted co-ordination processes
- Attachment K Considerations relevant to the conduct of VFR flights by international general aviation
- Attachment L Air traffic incident reporting and investigation procedures

Index to Parts (vii)

ATS Requirements

CHART ATS-1 — Flight information regions (lower and upper airspace)

TABLE ATS-1 — Aeronautical mobile service HF air-ground and VHF general purpose requirements

TABLE ATS-2 — Aeronautical mobile service (VHF) — Aerodrome and approach control service

TABLE ATS-3 — Aeronautical mobile service (VHF) — Flight information and area control service

CHART ATS-2 — Areas of use of ACC/FIS channels — Lower and upper airspace

CHART ATS-3 — ACC inter-area communication links

CHART ATS-4 — Primary and secondary surveillance radar coverage

TABLE ATS-4 — The EUR VOLMET Broadcast System

SUPPLEMENT — SSR code allotment list

PART VII — AERONAUTICAL INFORMATION SERVICES (AIS)

Explanation of terms
Introduction to Part VII — AIS

RCM on AIS

- 1. International NOTAM offices (NOFs)
- 2. Provision of AIS
- 3. Co-ordination between AIS and other services
- 4. AIP amendments
- NOTAM Class I and Class II
- 6. AIRAC system
- 7. Pre-flight information
- 8. Miscellaneous
- 9. Automation in AIS

Attachment A — International NOTAM Offices designated for the EUR Region

Attachment B — Publication of information relating to aeronautical charts and aerodromes

Attachment C — Concept for AIS automation in the EUR Region

AIS Requirements

CHART AIS-1 — Communication links required between International NOTAM Offices using data processing equipment

PART VIII — METEOROLOGICAL SERVICES (MET)

Explanation of terms
Introduction to Part VIII — MET

RCM on MET

- 1. Area forecast centres
- 2. Meteorological offices and stations
- 3. Routine observations and reports
- 4. Runway visual range (RVR)
- 5. SIGMET and special air reports
- 6. Aerodrome forecasts
- 7. Landing forecasts
- 8. Aerodrome warnings
- 9. Pre-flight planning by operators
- 10. Display of information, consultation and flight documentation
- 11. Meteorological information for general aviation operations
- 12. Meteorological information for helicopter operations
- 13. Meteorological information for air traffic services units
- 14. Meteorological information for search and rescue services units
- 15. Exchange of operational meteorological information
- 16. Communications requirements
- 17. Aeronautical climatological information
- 18. Co-ordination with the Aeronautical Information Service

Attachment A — Provisions regarding the Meteorological Operational Telecommunication Network — Europe (MOTNE)

Attachment B — The Aeronautical Digital Forecast (ADF) Code

MET Requirements

TABLE MET-1 — Meteorological service required at aerodromes, meteorological watch offices and AIREP collecting centres

TABLE MET-2 — Meteorological information accommodated on the MOTNE System

TABLE MET-3 — Area Forecast System

SUPPLEMENT 1-MET — Exchange requirements for METAR and/or 9-hour TAF

SUPPLEMENT 2-MET — Exchange requirements for 18/24-hour aerodrome forecasts

SUPPLEMENT 3-MET — Exchange requirements for world area forecast system products

PART IX — SEARCH AND RESCUE SERVICES (SAR)

Explanation of terms
Introduction to Part IX — SAR

RCM on SAR

- 1. Provision of SAR
- Co-operation between SAR services

Index to Parts (ix)

- 3. Efficiency of SAR services
- 4. Search and rescue facilities
- 5. Provisions for specific flight operations
- 6. Co-ordination with the Aeronautical Information Service

SAR Requirements

TABLE SAR-1 — Search and rescue facilities

CHART SAR-1 — Search and rescue services

PART X — AERONAUTICAL COMMUNICATIONS (COM)

Explanation of terms
Introduction to Part X — COM

RCM on COM

- 1. General
- 2. Aeronautical fixed service (AFS)
- 3. Aeronautical mobile service (AMS)
- 4. Aeronautical radio navigation service
- 5. Frequency assignment planning General
- 6. Frequency assignment planning for AMS
- 7. Frequency assignment planning for radio navigation aids
- 8. Flight testing and maintenance of radio navigation aids
- 9. Co-ordination with the Aeronautical Information Service
- Attachment A— Principles and criteria regarding frequency assignment planning for VHF AMS facilities in the EUR Region
- Attachment B— Criteria and methods to be used in frequency assignment to satisfy communication requirements for operation control purposes
- Attachment C— Principles and criteria regarding frequency assignment planning for VHF/UHF navigation aids in the EUR Region
- Attachment D— Principles and criteria regarding frequency assignment planning for LF/MF navigation aids in the EUR Region

Attachment E — Meteorological Operational Telecommunications Network — Europe (MOTNE)

COM Requirements

CHART COM-1 — Aeronautical fixed telecommunication network

CHART COM-1A — AFS Meteorological Circuits

SUPPLEMENTS

TABLE COM-1 — (Supplement 1-COM)

HF air-ground and VHF general purpose requirements

TABLE COM-2 — (Supplement 2-COM)

International and national VHF assignments for air-ground communication purposes in the frequency band $117.975-136~\mathrm{MHz}$

- TABLE COM-3 (Supplement 3-COM)

 Frequency assignments for radio navigation aids operating in the bands 108-118 MHz and 960-1215 MHz
- TABLE COM-4 (Supplement 4-COM)

 Frequency assignments for radio navigation aids operating in the LF/MF Band
- TABLE COM-5 (Supplement 5-COM)

 Identification of radio navigation aids and five-letter name-codes